## INTERNATIONAL SEARCH REPORT

International application No.

CT A	CONTRACTOR OF COMP		PC17US03/1681	,
A. CLASSIFICATION OF SUBJECT MATTER IPC(7) : H04L 9/00				
US CL	: 713/152, 201; 709/225			
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum documentation searched (classification system followed by classification symbols)				
U.S. : 7	13/152, 201; 709/225	by classification symb	ols)	
<u> </u>				
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched NONE.				
NONE				
<u></u>				
Electronic da	ita base consulted during the international search (non-			
EAST	ata base consulted during the international search (nan	ie of data base and, wr	iere practicable, sea	arch terms used)
C POC	TRANSPORTED TO THE PROPERTY OF			
C. DOC	UMENTS CONSIDERED TO BE RELEVANT			
Category *	Citation of document, with indication, where a	appropriate, of the rele	Relevant to claim No.	
Y	US 6,321,338 B1 (PORRAS et. al.) 20 November 2001, abstract, column 2, lines 42,53			1-17
	column 3, lines32-41, column 3, line 66 to column column 5, lines 4-64, column 6, lines 38-67.	4, line 18, column 4, l	ines 48-60,	
	cordina 3, mies 4-04, column 6, mes 38-67.			
Y	US 6,275,942 B1 (BERNHARD et. al.) 14 August	20011 1 12		,
_	lines 21-39, column 7, lines 5-9, 30-37, column 13,	2001, column 1, lines 53-67, column 4, 1-17		
Y	US 5,720,035 A (ALLEGRE et. al.) 17 February 1998, column 1, lines 10-column 2, line			
	7, Column 10, lines 4-61.			1-17
Y	US 5,621,889 A (LERMUZEAUX et. al.) 15 April	US 5,621,889 A (LERMUZEAUX et. al.) 15 April 1997, abstract, column 1, lines16-22,		
	column 2, lines 23-47, column 3, lines 30-55, colum	nn 4. lines 9-56. colum	9-56, column 5, lines 27-42,	
	column 6, lines 52-54, column 9, line 63-column 10	), line 2.	•	
Y	TIC 5 270 001 A (CITTETY 1 ) 11 7	_		
•	US 5,278,901 A (SHIEH et. al.) 11 January 1994, a column 1, line 59-column 2, line 10, column 2, line	bstract, column 1, lines 14-25, 48-56,		
	2, line 10, column 2, line	s 30-42.		Ì
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Further	documents are listed in the continuation of Box C.	See patent	family annex.	
	pecial categories of cited documents:		•	
		date and not	in conflict with the appli	ernational filing date or priority cation but cited to understand the
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"E" earlier apr	olication or patent published on or after the international filing date	"X" document of	particular relevance; the	claimed invention cannot be
	_	considered ne	ovel or cannot be conside ament is taken alone	ered to involve an inventive step
"L" document establish tl	which may throw doubts on priority claim(s) or which is cited to he publication date of another citation or other special reason (as			
specified)	and particular date of allower citation of other special reason (as	"Y" document of considered to	particular relevance; the involve an inventive ste	claimed invention cannot be
"O" document	referring to an oral disclosure, use, exhibition or other means	combined with	th one or more other sucl	h documents such combination
		being obvious	s to a person skilled in th	e art
priority da	published prior to the international filing date but later than the te claimed	"&" document me	mber of the same patent	family
	tual completion of the international search	D-46		
		Date of mailing of the international search report		
02 August 2003 (02.08.2003)		~ / A /	AUG 2003	
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form PCT/ISA	/210 (second sheet) (July 1998)			·